

# USER’S AND MAINTENANCE GUIDE

## Wireless BL-75EW

**DATE**<sup>(1)</sup>

**COLUMNS #**<sup>(1)</sup>




(1) Would you please fill in these sections



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## IMPORTANT INFORMATION



This manual must be considered as an integral part of the equipment and must be read before using the equipment. Therefore do not lose it and keep it in good condition.

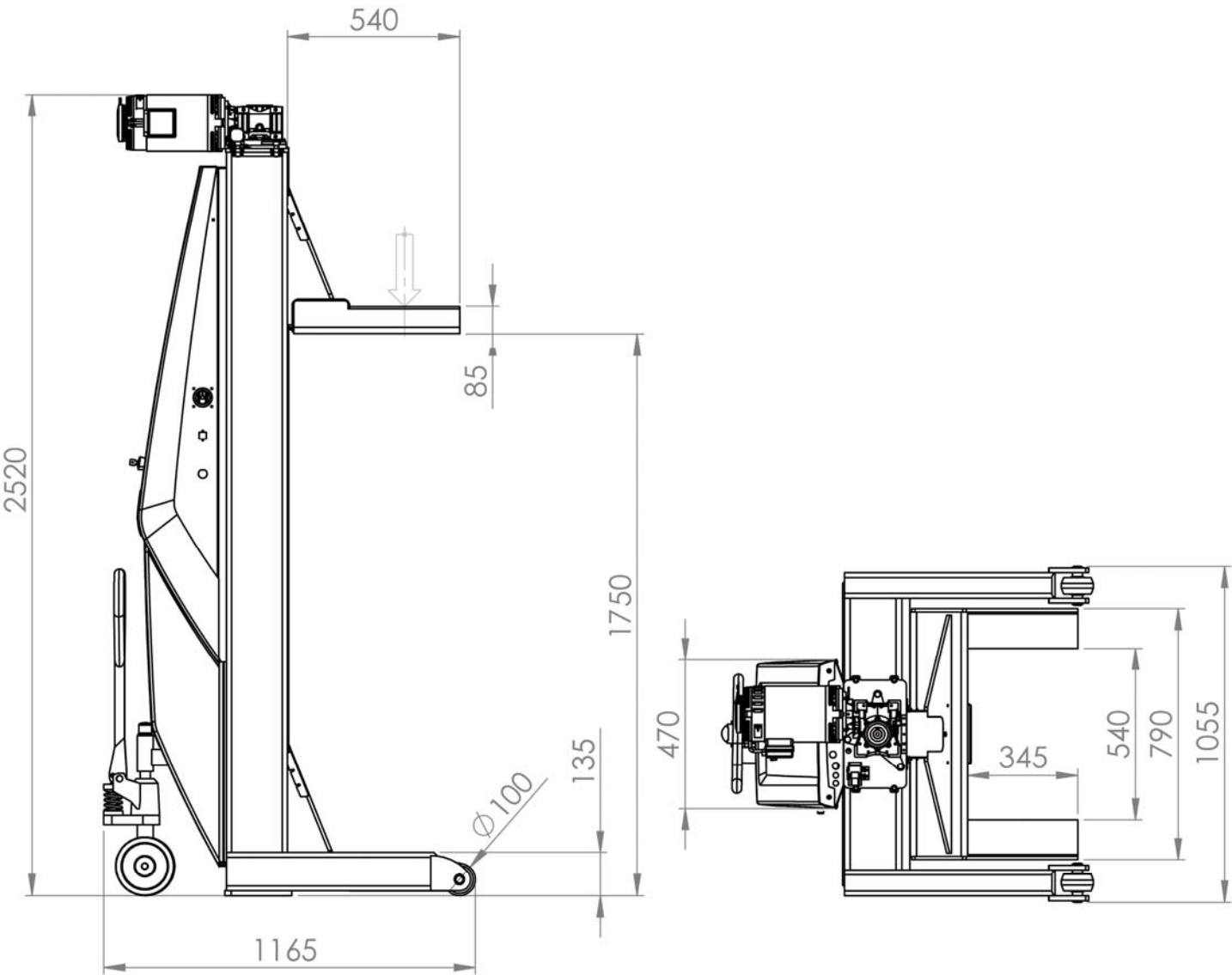
Read carefully all the safety instructions contained in this manual as well as the safety labels applied on the columns. Maintain these labels in good condition and replace any label that become loose or damaged.

Learn how to use your equipment correctly. Do not let anyone else use it without prior instruction. Maintain your equipment in good working order. Unauthorised modifications are forbidden. They may shorten its working life and immediately terminate the guarantee.

Static and dynamic tests are carried out according to the EN 1493 standard:

- Static test: overload 50% - duration of application: 1 hour;
  - Dynamic test: overload 15% - 3 lifting cycles;
  - Operating tests;
  - Measurement of load intensities;
  - Safety tests.
-

SPECIFICATION



Lifting capacity	7.5 t
Number of column	1 to 8 (the columns are the same – no master or slave)
Tyre size	Diameter from 600 to 1,155 mm
Length of the fork	345 mm
Distance between the front of the chassis and the rear of the fork	195 mm
Lifting height	1,835 mm

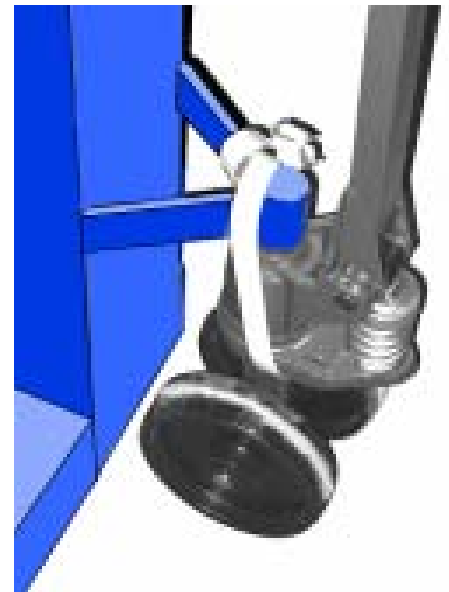
Synchronisation	Automatic and smooth thanks to speed variation
Safety	Patented mechanical ratched (2.5 mm step)
	« column moved » sensor
Operation	Group, pair and single
Communication	SWiP Wireless 2.4 GHz
Lifting stroke	1 750 mm
Lifting speeds	
- Up at 7.5 t	790 mm/min
- Down at 7.5 t	1,300 mm/min
- No load	1,090 mm/min
Number of lifting cycles at 7.5 t before charging	18
Electric power	1,8 kW
Batteries	2 x 12 V – 100 Ah in serie
Electronic 3-phase charger	230/110 V – 50/60 Hz – 3A
Voltage / Amperage during charging	24 V – 10 A
Duration of charging	10 h
Moving the column	Hydraulic palette jack and 2 fixed front wheels
Overall height	2,520 mm
Overall width	1,055 mm
Overall length	1,165 mm
Height of the foot	135 mm
Weight without batteries	350 kg
Weight with batteries	400 kg
Duster Water resistance	IP54
Noise level	< 70 dB

## UNLOADING PROCEDURE

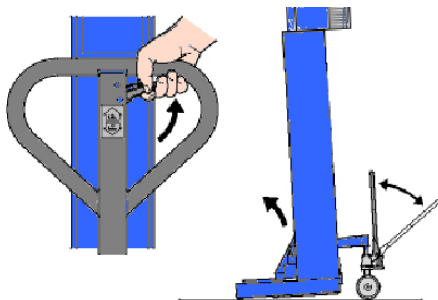


**IMPORTANT:** Leave the straps on the "pallet lifter" type hydraulic tow handle during all handling operations: there is a risk of pulling out the piston.

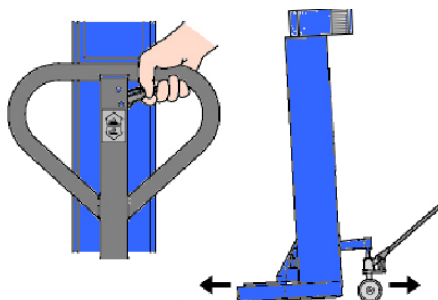
The mobile columns are delivered in the vertical position. Remove the fastenings and make sure that the capacity of your unloading system is at least 500 kg. Handling operations must be carried out slowly and without any shocks



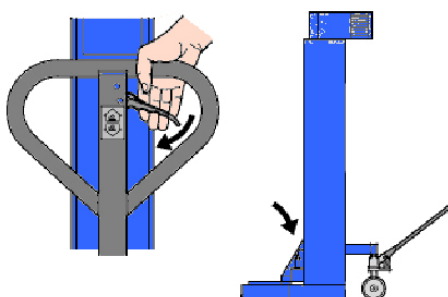
### Unloading the column



Lift the rear of the column by keeping the handle of the palette jack upwards and by pumping the handle up and down



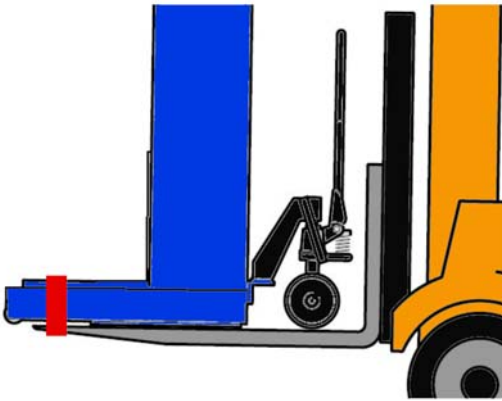
Move the column



Release the handle of the palette jack to replace the column on the ground



## Unloading using a forklifter

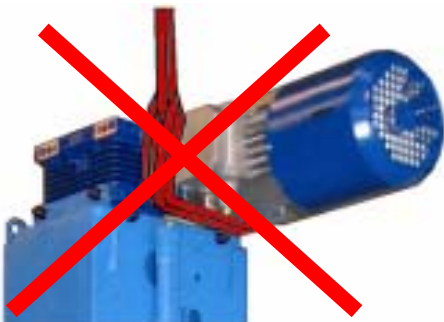


- Take the columns to the unloading point,
- Raise the rear of the column off the floor using its pallet lifter handle
- Slide the fork-lift forks under the column's base
- Gently raise the fork and strap the column base onto the fork lift forks
- Smoothly lower the column to the ground and remove the fork lift forks from under the column,
- Move the column to the side and repeat the operation for the others.

## Unloading using a crane



- Use slings in good condition and of suitable length (Nylon slings are perfectly suitable),
- Only attach the slings to the column using the lifting rings,
- Gently carry out the manoeuvres and lower the column to the ground, making sure to lower it in the vertical position,
- Move the column to the side and repeat the operation for the others.



## SAFETY INSTRUCTIONS

### Concerning the user

- LIFTMAX lift users should not use their equipment for any purpose other than those specified.
- Make sure that nobody stands under, inside, or on the vehicle, while it is being lifted.
- LIFTMAX mobile lifts should not be used for access to the lifted vehicle or to reach mechanical components/assemblies.
- Keep feet, hands, or any clothes away from moving components.
- Prior to carrying out a maintenance work, make sure that power to the equipment is turned **OFF**.

### Concerning the lifting hoist

- Do not overload LIFTMAX lifts.
- Do not bypass or short-circuit any safety components.
- Do not reverse phase sequences inside motors or electrical panels.
- Repair your equipment as soon as a breakdown occurs.
- Do not use LIFTMAX lifts to move the vehicle horizontally.
- Do not drive over cables and plugs.
- Do not connect more than 6 columns together.
- Do not use lifts with different lifting capacities and speeds as a set without consulting our engineers.
- Do not pull control cables in order to disconnect columns.
- Do not open electrical panels without the authorization of supervisors or shop foremen.
- Do not modify electrical boxes.
- Do not store or put anything inside the electrical panels.
- Do not expose LIFTMAX lifts to water, rain, sandblasting, paint or explosion prone environments.
- Do not forget to lower the base of the column by means of the jack at the rear when the lift is stored.
- Do not forget to lower the base of the column and free the rear castor wheel that should not bear any load.
- LIFTMAX lifts should be stored in a standing position.
- Use the tow bar to move columns around the load.
- Each column must rest on the floor.
- Assure that power plug has sufficient amperage and voltage to support electrical requirements of lifts.
- Position the lifts around the vehicle in the configuration shown in the diagram on the lift column.

### Raising the vehicle

- Do not start engine while the vehicle is raised.
- Release the vehicle brake before lifting vehicle.
- Do not raise any vehicle higher than 50cm (19"5/8) from floor level by individual or paired operation.
- Do not use any accessory that is not manufactured by LIFTMAX. Use only LIFTMAX stands
- Load shall be equally distributed when using the lifts.
- Centre wheel between forks.
- Make sure that load is properly secured and that the lifting points of the load are in good condition and enough resistant.
- Check connections between columns.
- Check the size of the tyre to make sure it fits the carriage.
- Make sure that tyres are properly inflated.
- Use synchronous operation mode for lifting the entire vehicle.

### The environment

- LIFTMAX lifts must not be used if floor grading exceeds 2%.
- The lifts must not be displaced by means of the drawbar if the floor grading exceeds 2%.
- The lifts must not be stored on a floor whose slope exceeds 2%.
- Use a support plate, if the ground resistance is lower than 3400 psi.
- Use the lift on a horizontal plane surface.
- Make sure that there is no obstacle under the forks and over the vehicle to be lifted.
- Make sure that no obstacle interferes during the column displacement.

## GRAPHIC SYMBOLS

Trained users only

Warning

Wheels free

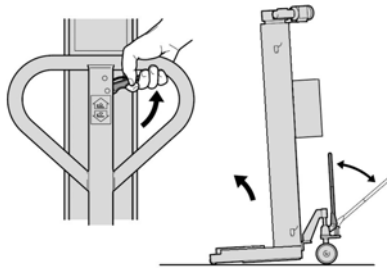
Watch

Electrical hazard

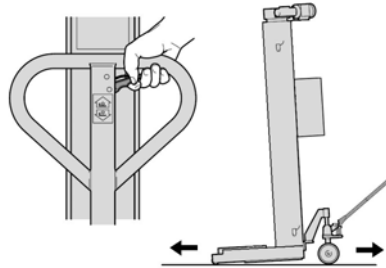


## LIFTING PROCEDURE

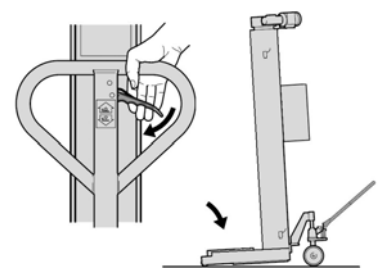
### Moving the column



Lift the rear of the column by keeping the handle of the palette jack upwards and by pumping the handle up and down

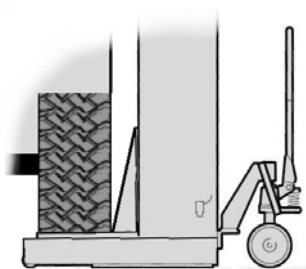


Move the column

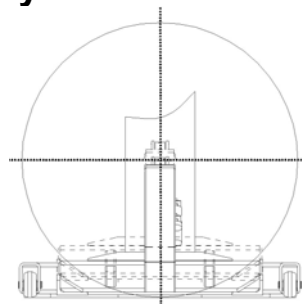


Release the handle of the palette jack to replace the column on the ground

### Placing the lifting fork under the tyre



Fully engage the fork of each column under the tyres of the vehicle

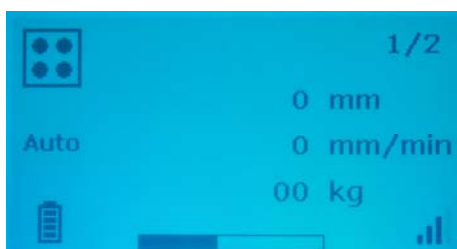




Centre the column to the tyres



Check that the vehicle's wheels are moving freely

### Setting the screen contrast

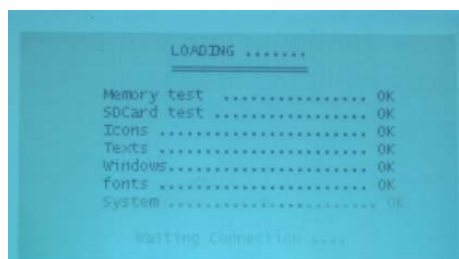


You can change the main screen contrast at all times by pressing the  /  buttons located beneath the screen.

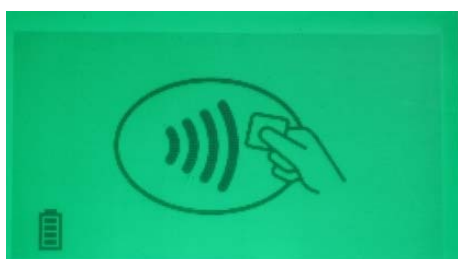
## Set up a lift Column 1



Switch on the first column by turning the red battery switch



The screen shows the self diagnosis



The column is waiting for the magnetic RFID card.



Place the card to front of the RFID sign (no contact is needed).

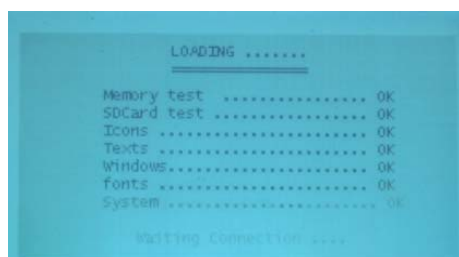


Number 1 is blinking on the screen. This is the first column of the lift

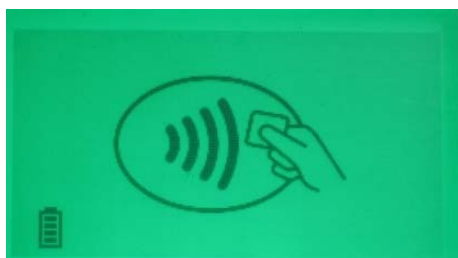
## Column 2



Switch on the second column by turning the red battery switch



The screen shows the self diagnosis



The column is waiting for the magnetic RFID card.



Place the card to front of the RFID sign (no contact is needed).



Number 2 is blinking on the screen:  
The second column knows that there is already one column activated for this lift thank to the unique code inside the RFID card.

Adding columns up to number 8 and closing the lift



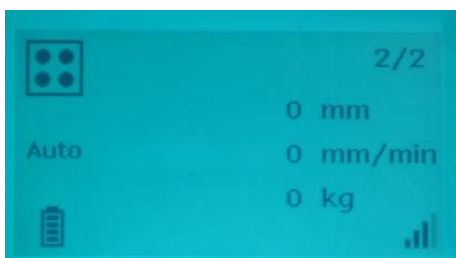
To add other columns, proceed to steps 6 to 10.



To close the lift, place once again the RFID card in front of 1 column of the lift you just setup.  
(example shows the column 2)



Then you have a visual confirmation on the screen that the lift configuration is done.



The screen shows then the main page.  
The lift is ready.

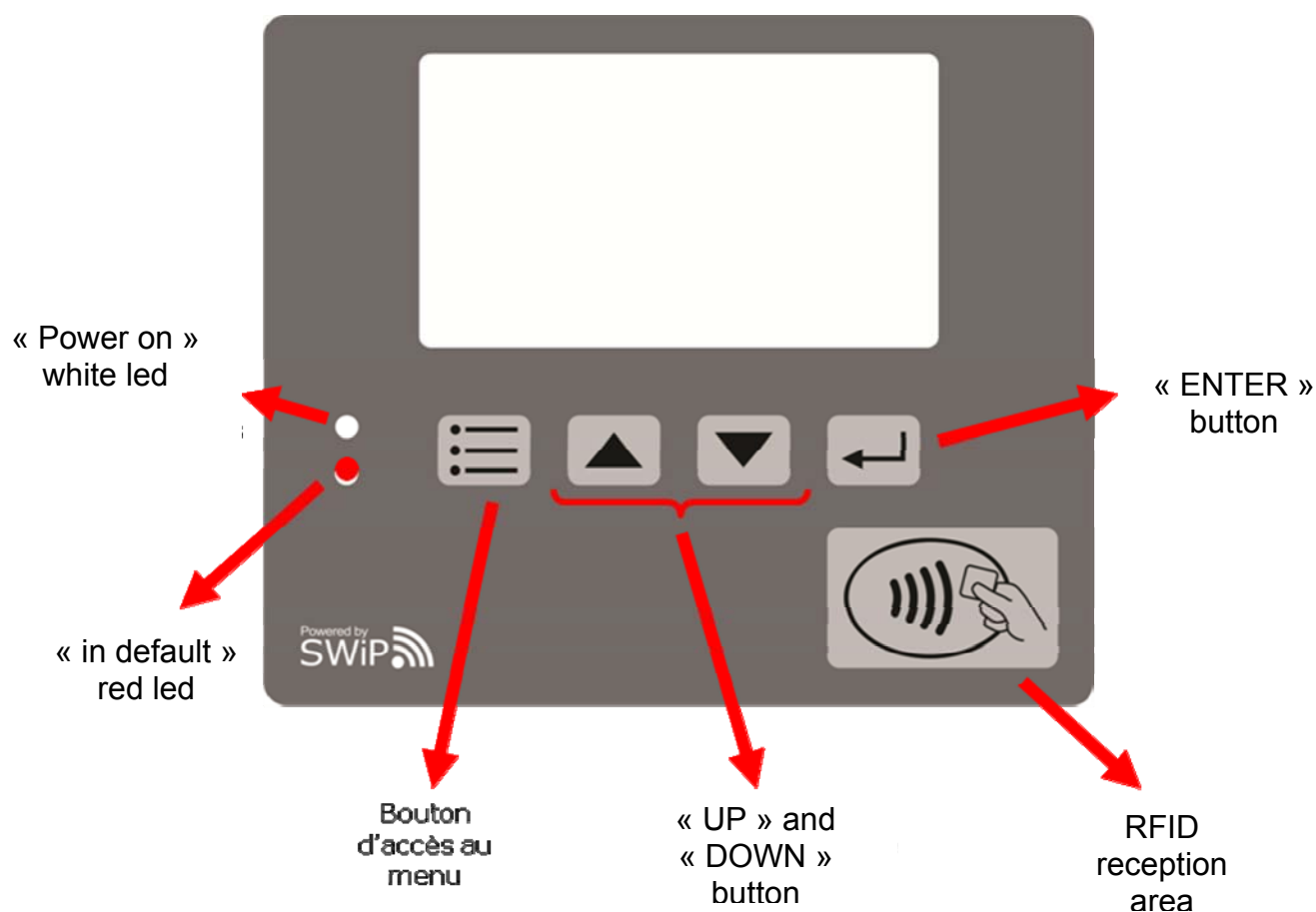
To lift a vehicle, plug the remote on one of the column of the lift and the press the up push button.

To stop the operation, just release the button.

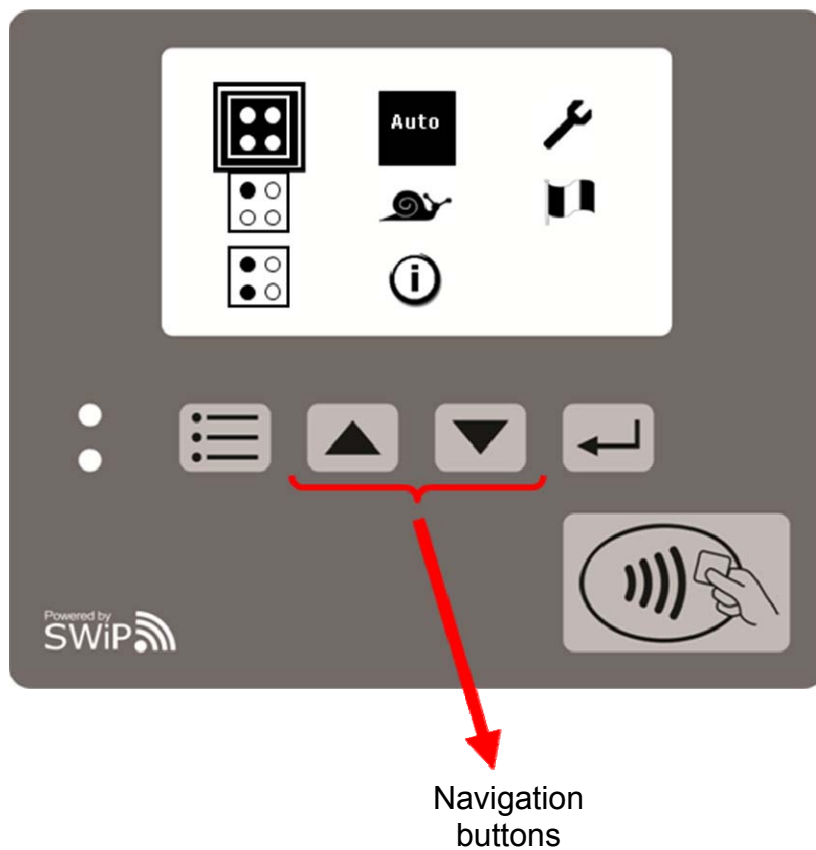
At any time, you can select the pair or single mode by entering in the menu.

You can also change the lifting speed or the lifting height (see here after).

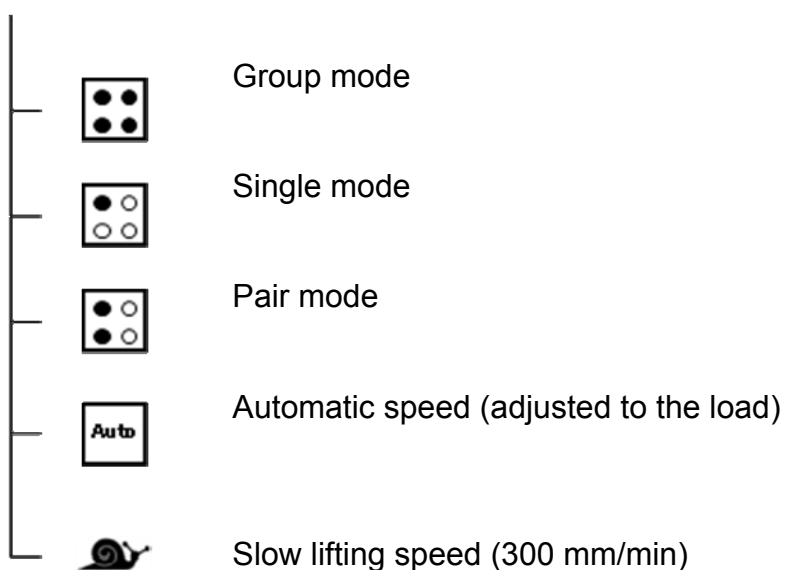
## KEYBOARD



## HOW TO NAVIGATE INTO THE MENU



### Menu tree





**INFORMATION**

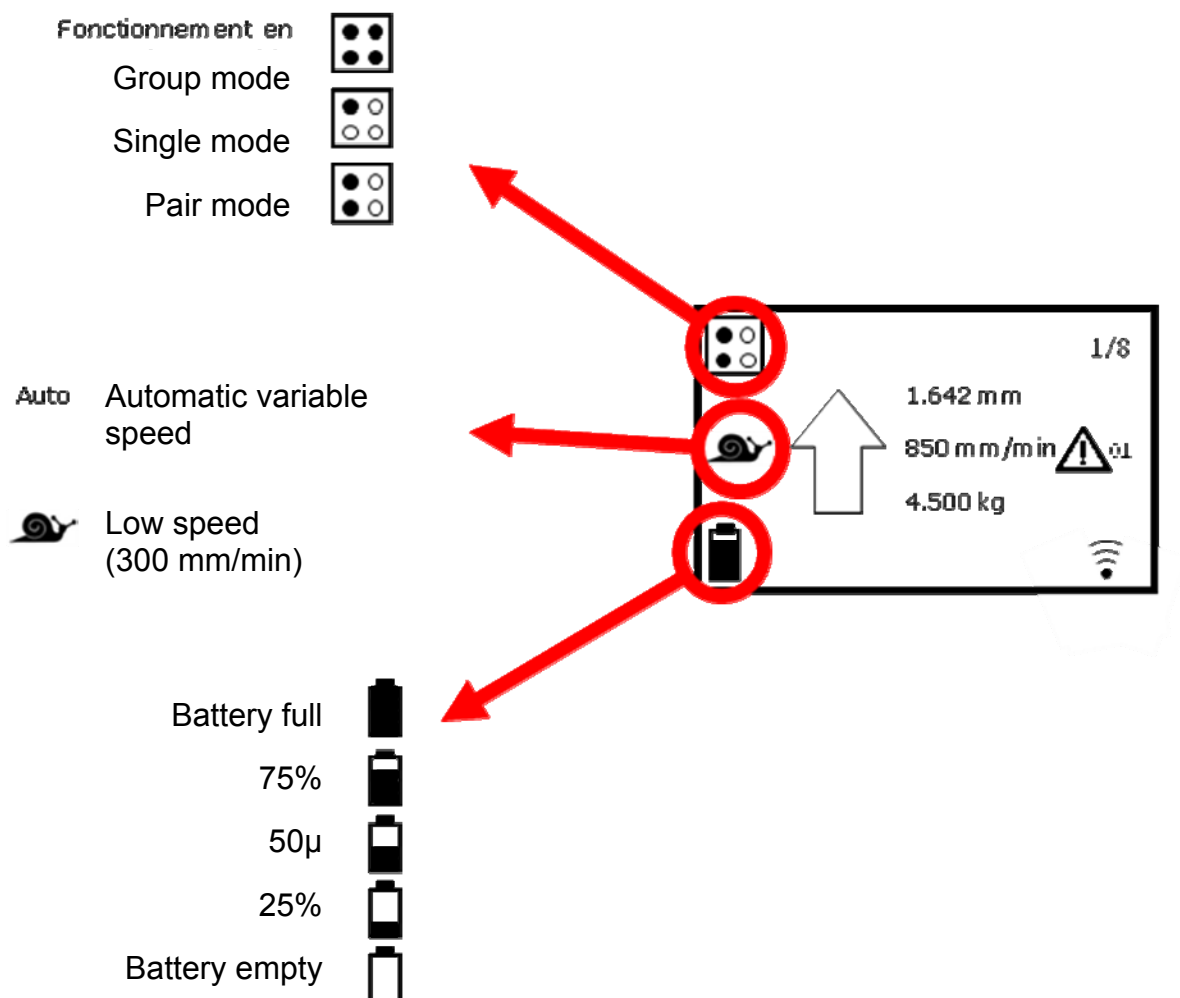
- Date of control of the bronze nut (non applicable for the wireless version)
- Date of greasing of the lifting nut
- Date of the next inspection
- Date of commissioning
- PLC software number
- HMI software number
- Serial column number
- HMI card serial number
- PLC card serial number
- Power card serial number
- After sales service data

**WITHOUT ENCODER EMERGENCY MODE ACCESS and  
PARAMETERS SETUP ACCESS (password needed)**

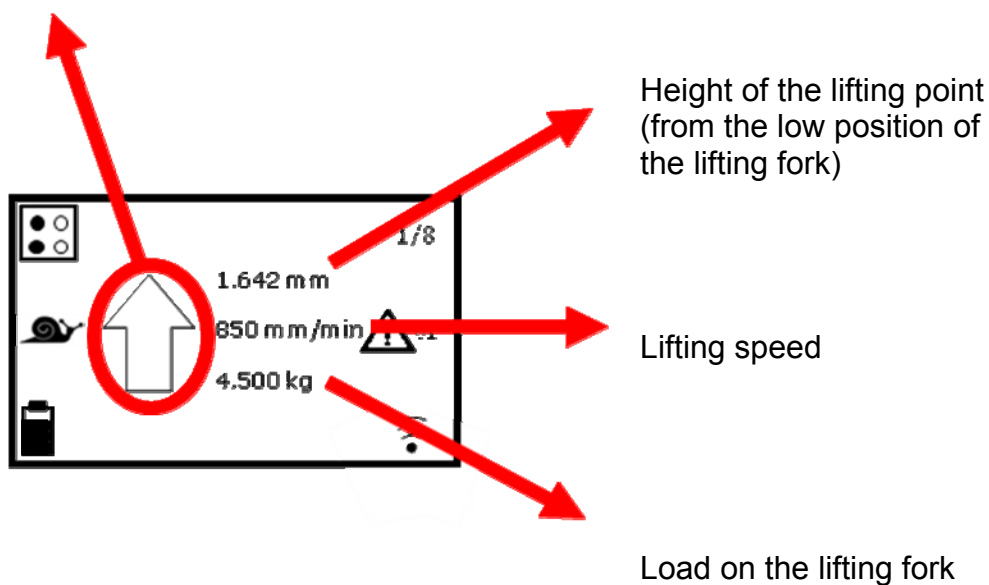
- Setup of the “nut wear” control date
- Setup of the date for greasing the lifting nut
- Setup of the date for the next inspection
- Setup time and date
- Setup of the maximum lifting height
- Without encoder emergency mode activation
- Reading of the events board

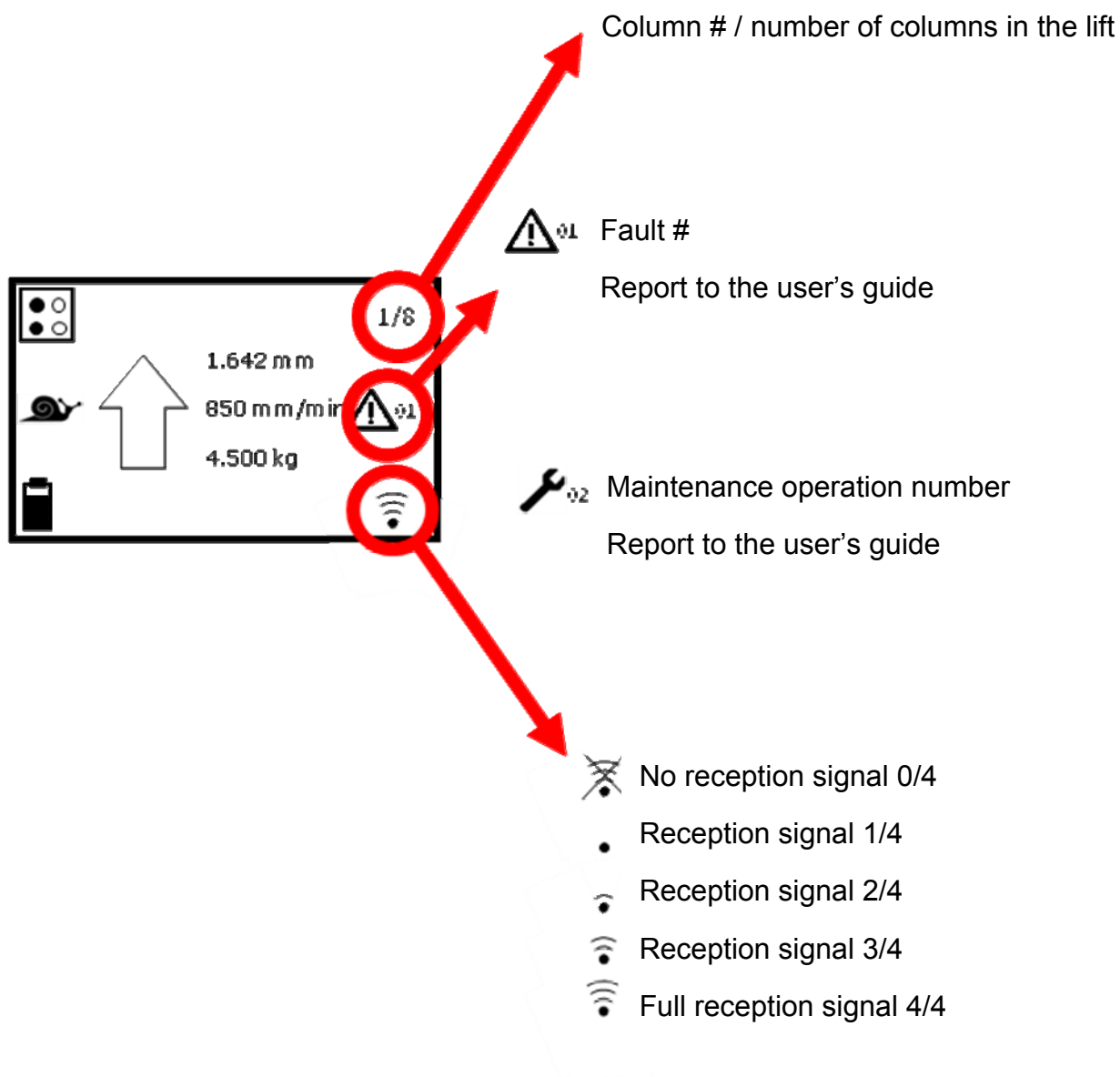
**LANGUAGE SELECTION**

- French
- English
- German
- Italian
- Spanish
- Dutch
- Optional language 1
- Optional language 2





Indication of the way of lifting



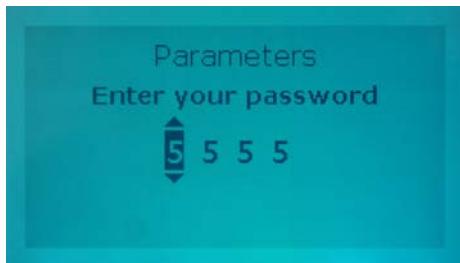




## MAINTENANCE MENU






To access the maintenance menu, press the validation button  when the cursor is on the  symbol.

You are invited to enter your password.

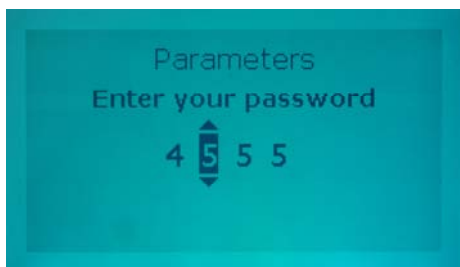


**To enter your password (4 digit code):**  
The cursor is placed on the first digit. Press the  or  arrows.

When the correct digit is displayed, validate by pressing the validation button .

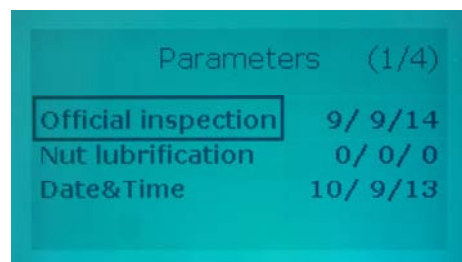
The cursor then moves to the second digit. Use the  /  arrows again to select the second digit.

Proceed in the same way for all 4 digits.

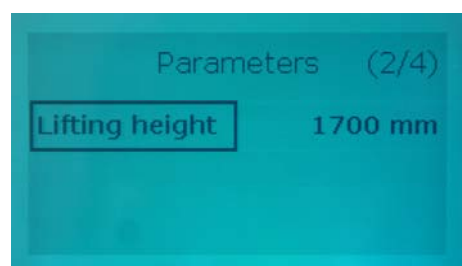


**Access to the menu is authorised after validation of the last digit, and when the entered 4 digit code is correct.**

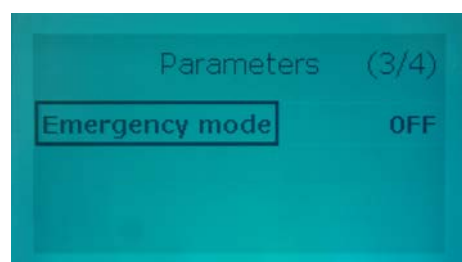
This access allows:



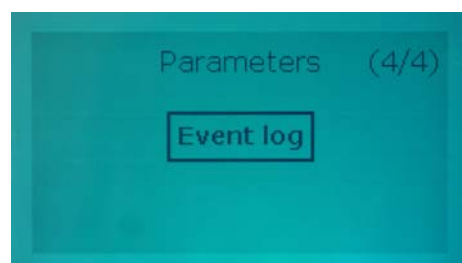
- to set the next regular inspection date
  - to set the nut wear inspection date (not applicable to the wireless version)
  - to set the mechanical safety latch nut and bearing grease date
  - to set the clock (date and time)
- 
- to set the maximum programmed lifting height



- to activate backup / coder-free mode (requires confirmation)



- to access the event log



# FAULT CODE TABLE

Error code	Name	Technical description (cause)	Procedure / remedy
1	Obstacle	There is an obstacle under the trolley during lowering	Raise by at least 5cm and remove the object
2	Not applicable to the wireless model		
3	Not applicable to the wireless model		
4	Isolevelling	Column height difference greater than 40 mm	Act on one or more columns to re-establish the vehicle level
5	Logic card battery	Logic card battery flat	Replace the battery and reset the logic card date and time
6	Battery low	Battery low on charge	Recharge the batteries as soon as possible
7	Battery flat	Battery flat, only one <u>lowering</u> is authorised	Recharge the batteries
8	Battery safety	Battery flat, lifting prohibited, no movements are authorised	Recharge the batteries
9	Movement	Cable coder defective or broken	Check the cable coder and replace it if necessary
10	SWiP network	Wireless environment disrupted	Identify the cause (if unexpected fault) and/or switch to cable connection
11	Emergency stop	Emergency stop triggered	Release the emergency stop
12	Not applicable to the wireless model		
13	Mechanical overload	The load to be lifted is too heavy (compared to the rated capacity of the column)	Lower the vehicle back down
14	Power card overheat	The temperature in the power card is abnormally high through intensive use	The column is out of order while the power card temperature is too high Wait for the fault to disappear (power card cools down)
15	Column movement	The column has moved for more than 10s	Put the columns in position and reconfigure the lift
16	Drop	The trolley has dropped	Check the vehicle level
17	HMI card connection	The connection with the HMI card was lost	Reinitialise the column
18	SD card	Missing SD card	Check for the presence of the SD card and/or insert the SD card
19	SWiP network unavailable	No available channel for the wireless connection	Power off a lift that uses the SWIP network to release a channel and/or switch to cable connection
20	Power	No power	Check that the power card is operating correctly If necessary, contact your local dealer

## MAINTENANCE

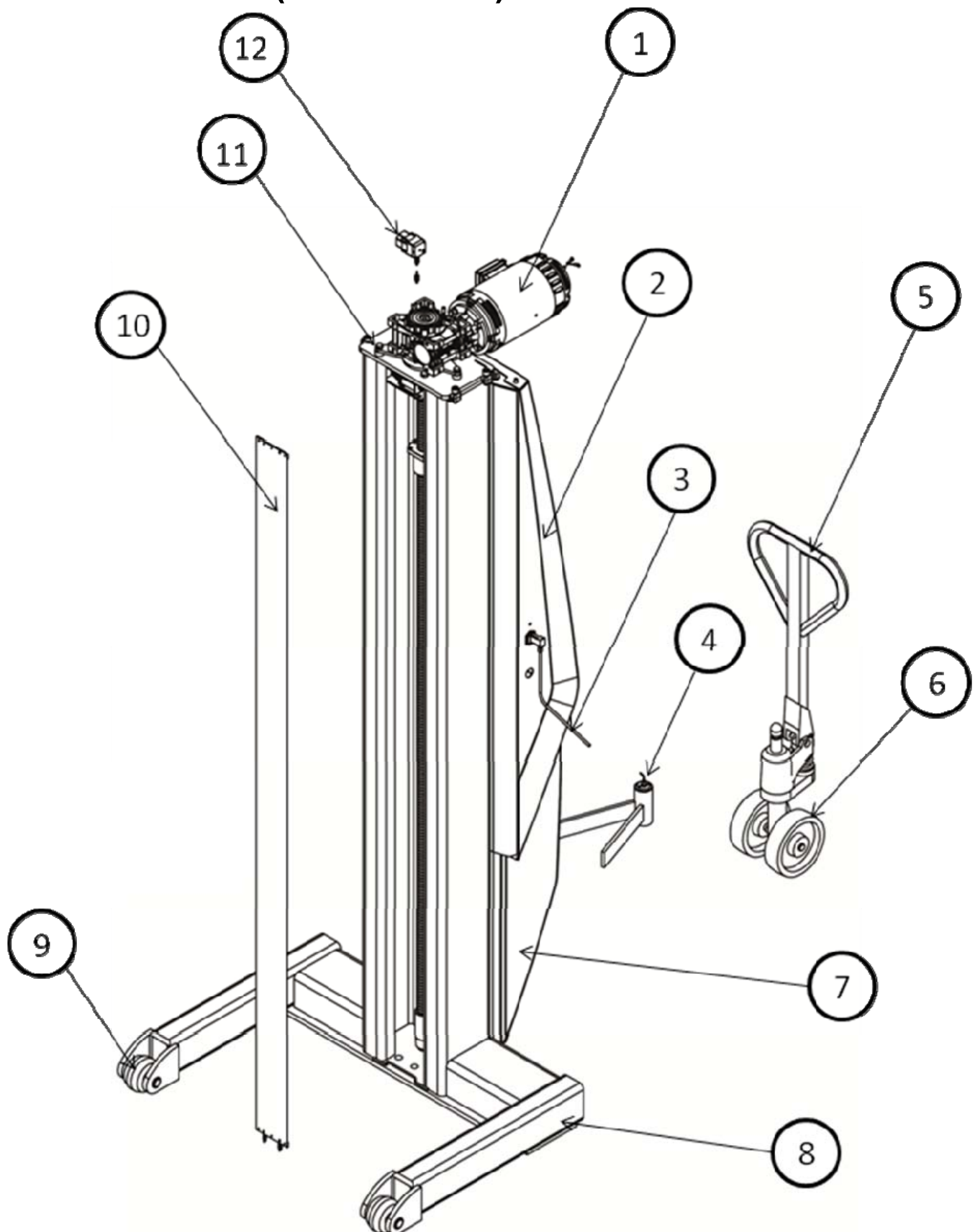
CHECK POINT	OPERATIONS	$\Delta t$	CONTROL MEANS	POSITIVE RESULT	WHAT TO DO IF NEGATIVE
Charger power supply cable	Visual aspect control	6 months	Visual	No damages	Change the cable
plugs	Visual aspect control	6 months	Visual	No damages	Change the plug
Nut / screw	Visual aspect control	6 months	Visual	No damages	Change nut and screw
Lifting nut	To grease with a bearing grease	1 year	Visual	Nut full of grease	Continue to grease
Top bearing	To grease with a bearing grease	1 year	Visual	Bearing full of grease	Continue to grease
Battery	Replacement	always	Visual	Number of lifting cycles <5 between 2 charging cycles	Replace the batteries

- Other parts of the lift don't need any specific maintenance.
- The motor reducer and the bearings of the motor don't need to be greased.

## LUBRICANTS LIST

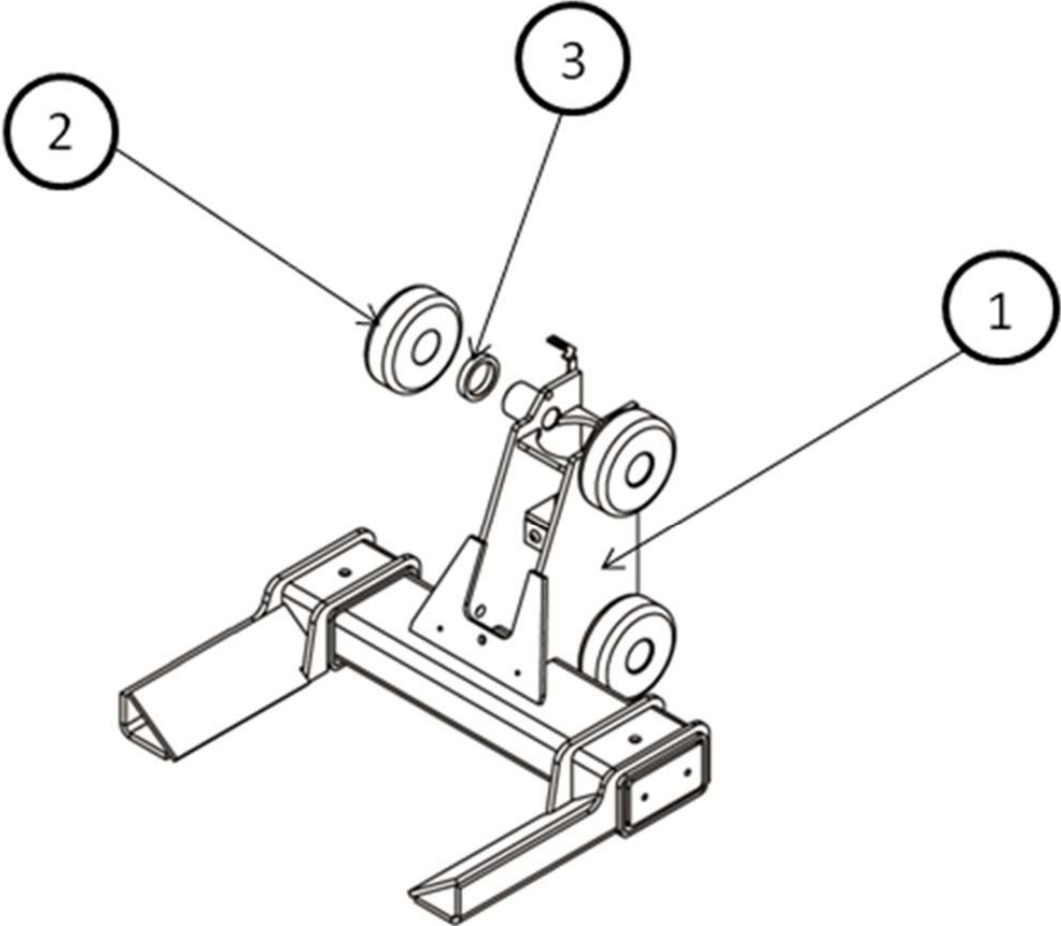
COLUMN PART	HOW TO GREASE	LUBRICANTS	REFERENCE
Top bearing	Grease pump	OMNILUB	N°2 or equivalent
Motor reducer	Synthetic oil VG320	AGIP	TELIUM VSF320
		SHELL	TIVELA OIL S520
		ESSO	S220
		MOBIL	GLYGOYLE
		CASTROL	ALPHASYN PG320
		BP	ENERGOL SG-XP320

## LIST OF PARTS (mechanical)

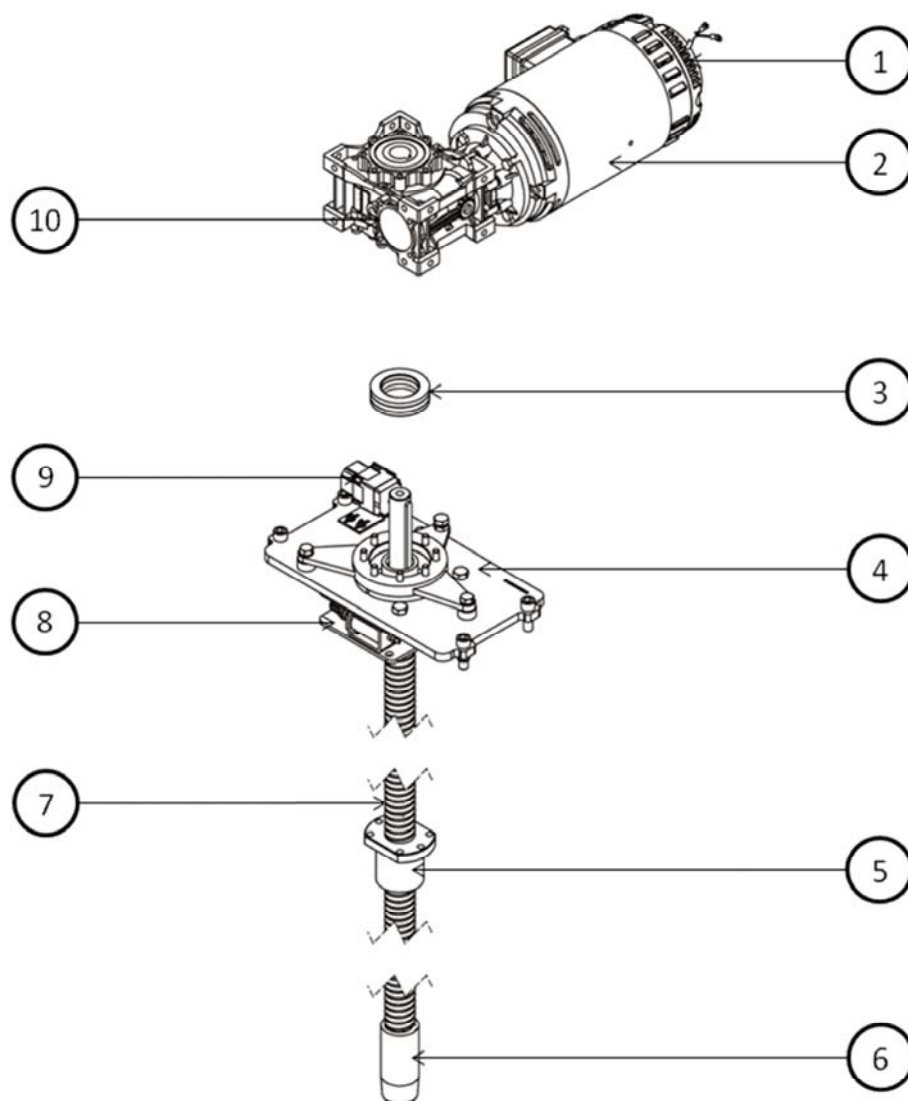




No.	NAME
1	Kinematic chain
2	Upper box set
3	Charger power cable
4	Movement sensor
5	Towing handle unit
6	Rear wheel
7	Lower box set
8	Frame
9	Front wheel set
10	Protective band set
11	Motor support
12	Potentiometer



No.	NAME
1	Trolley body
2	Roller
3	Ring



No.	NAME
1	Brake
2	Motor
3	Roller bearing
4	Motor support
5	Ball screw / nut set
6	Parachute adapter
7	Lifting screw
8	Safety latch unit
9	Potentiometer
10	Reducer

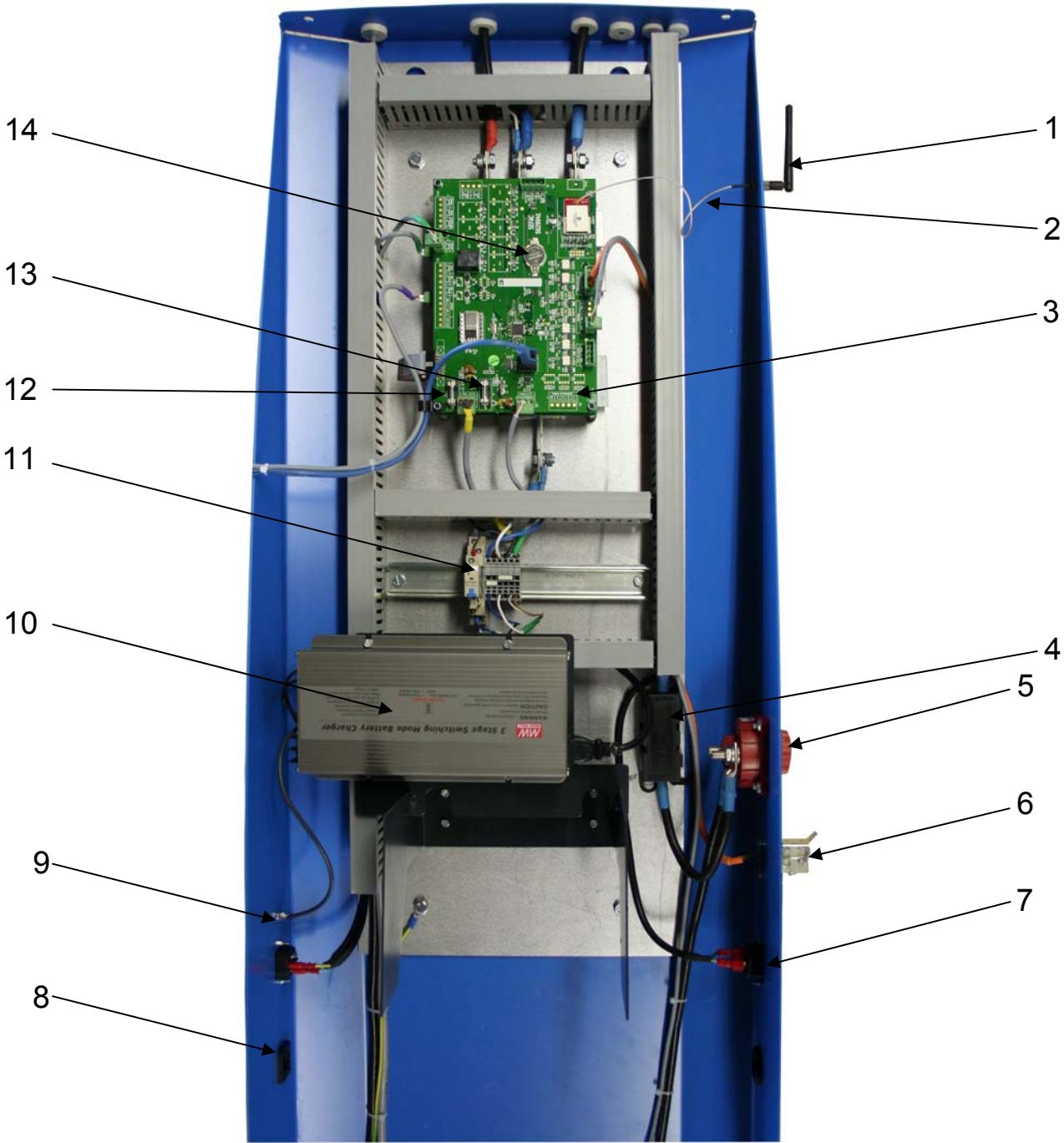


# LIST OF PARTS (electrical)

Cover



**Inside**



## Cover

No.	NAME
1	RFID card
2	HMI PCB
3	Non twisted RFID 1m cable
4	2 Go SD memory card
5	Emergency stop push button
6	Keyboard

## Inside

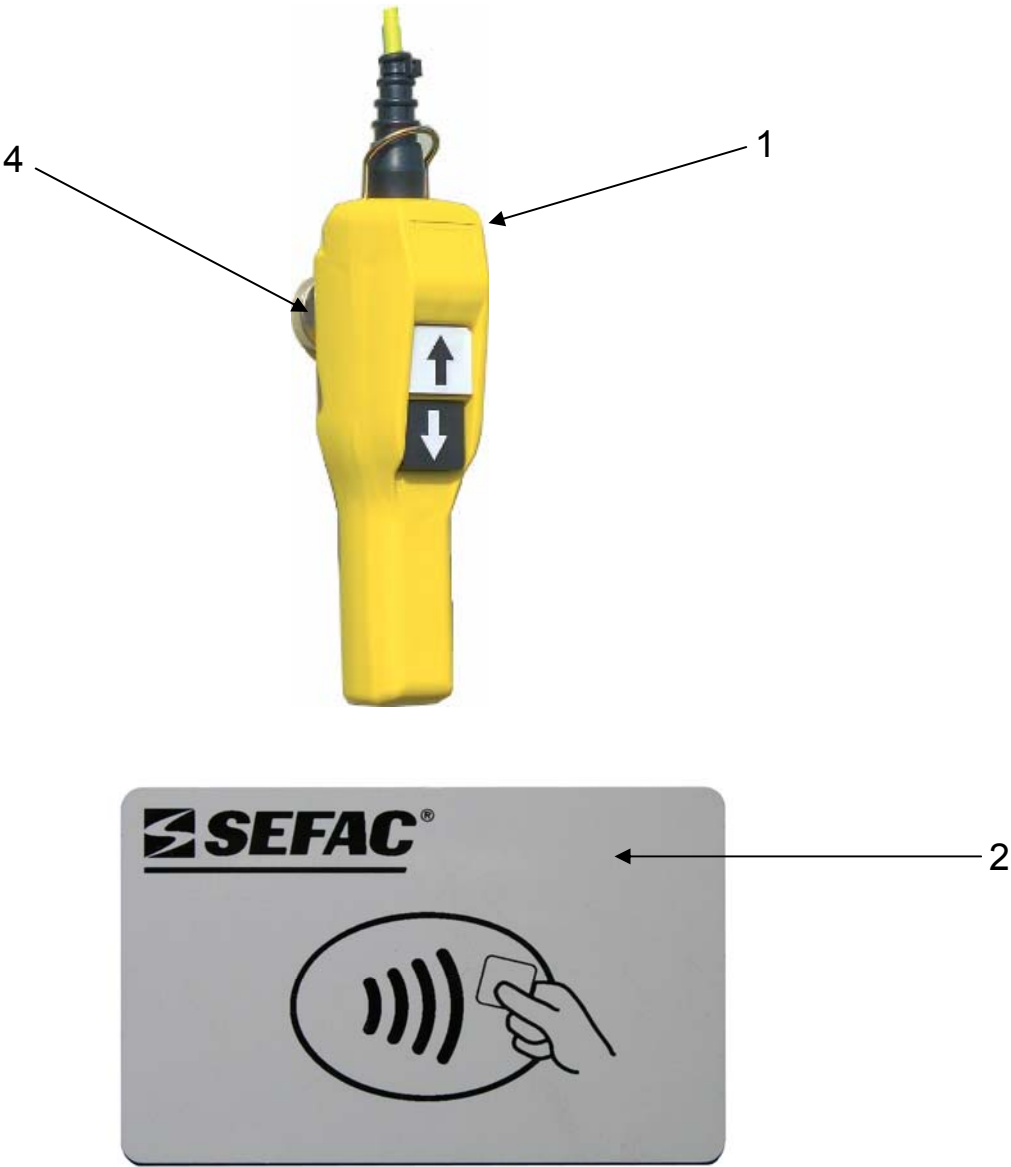
No.	NAME
1	Antena
2	Antena cable
3	Logic PCB
4	Fuse holder + 200A fuse
5	Battery switch
6	Male pendant plug
7	IEC female plug
8	IEC male plug
9	LED
10	Charger
11	Relay
12	Fuse
13	Fuse
14	Battery

## Battery



No.	NAME
1	Lead acid battery

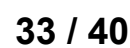
**Pendant**

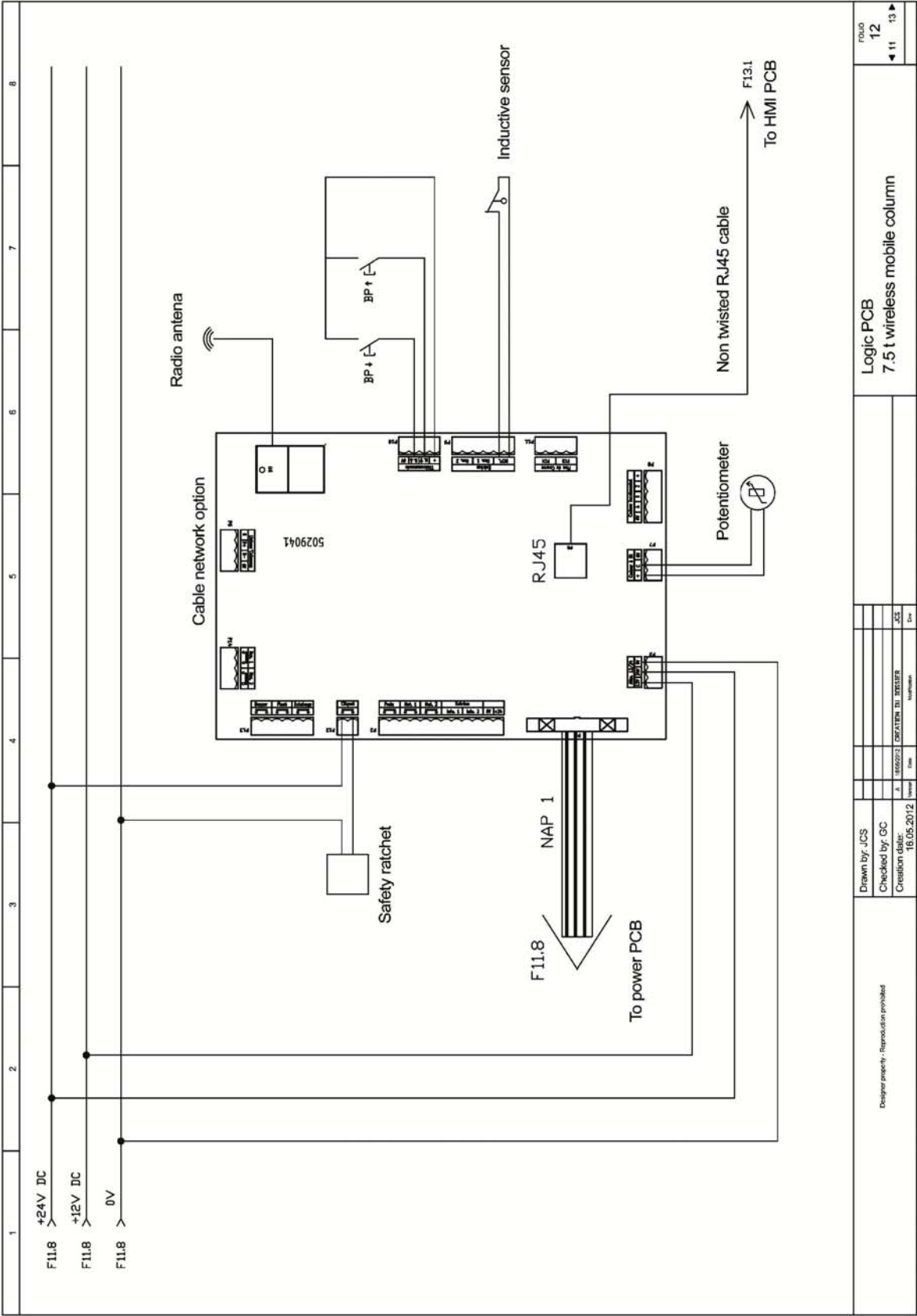


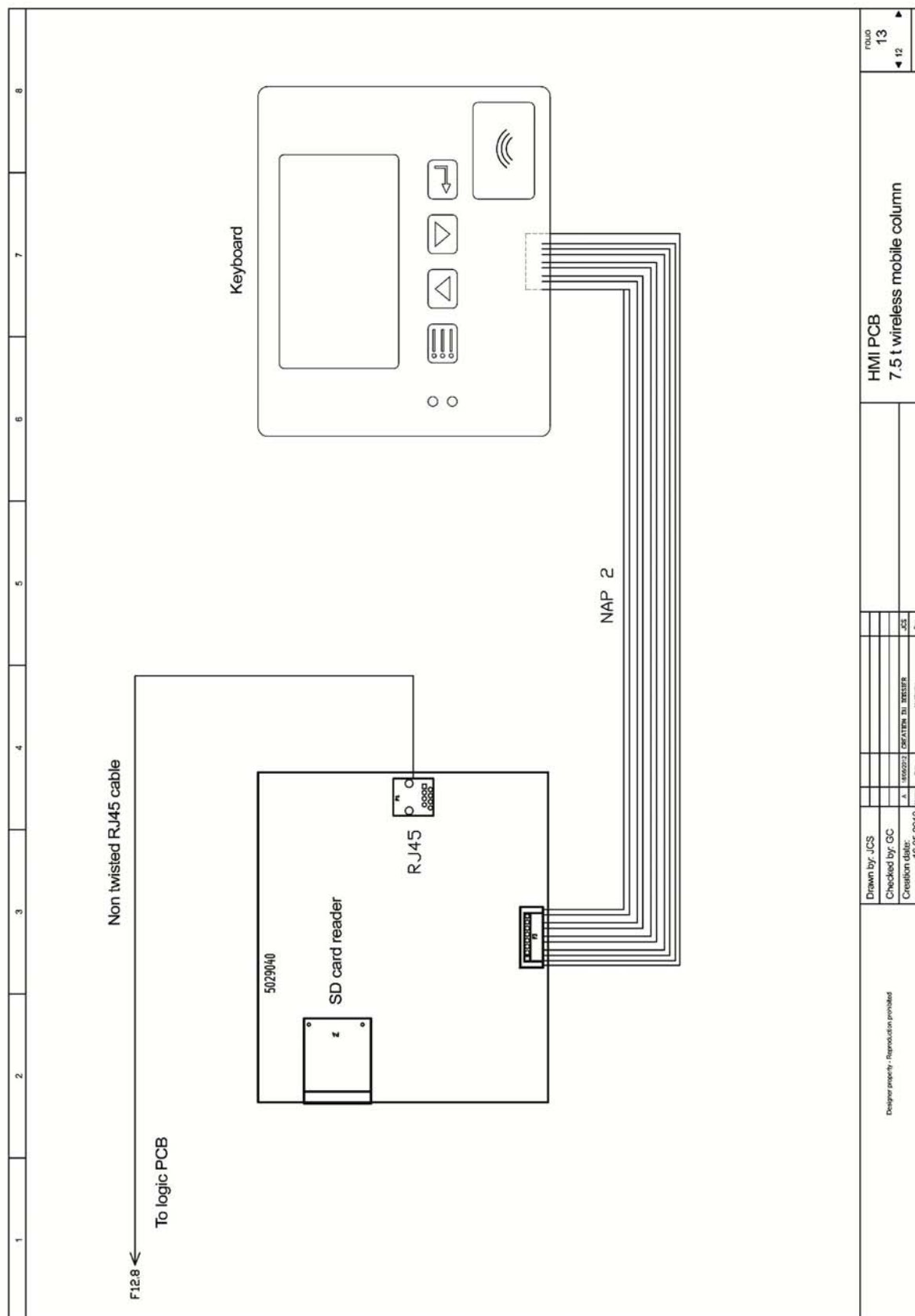
No.	NAME
1	Pendant
2	RFID card
3	Male plug (not shown)
4	Magnet











# CE Certificate

The manufacturer undersigned:

SEFAC S.A  
1, rue André Compain  
BP 101  
08800 MONTHERME  
France  
Telephone: +33 (0)3.24.53.01.82  
Fax: +33 (0)3.24.53.20.24

SALES COMPANY

Garage Equipment Ltd Pty  
17 Canberra Street  
Hemmant 4174 QLD  
Australia  
Telephone: +33 (0)3.24.53.01.82

In application of directive 2006/42/EC, the machine is declared compliant with the harmonised European standard EN1493.

This declaration of compliance will be voided in the event of a technical intervention on the machine which are not provided by our company.

All versions of the base model built by SEFAC correspond to the machine quoted in this declaration:

Product group:	Machine
Product family:	vehicle lift
Machine name:	mobile column
Type:	SW2
Serial number:	PME X 12 075 SX XX XXX

Reference legislation:

- EU Directive n° 2006/42/EC
- EU Directive n° 2004/108/EC on electromagnetic compatibility
- EU low voltage Directive n° 2006/95/EC
- EU Directive EN1493

Monthermé, July 1<sup>st</sup> 2013

Eric LETELLIER  
Technical Director



## WARRANTY

### ► Warranty terms

Our equipment is guaranteed against any faulty operation originated from a material, manufacturing or design defect under the conditions indicated below. The faulty operation must appear within a period of 12 months after commissioning and at the latest 15 months after delivery.

The guarantee is excluded when:

- the defective material or design originates with the purchaser;
- the faulty operation results from repair or maintenance work carried out on our equipment without our prior consent;
- the parts used by the purchaser have not been provided by LIFTMAX,
- the defective operation is caused by normal wear of the merchandise item, a negligence or errors of maintenance on the part of the purchaser;
- the use of our equipment does not comply with the recommendations indicated in our User Manual;
- the defective operation is due to a case of force majeure.

For fear of forfeiting the right to guarantee, the purchaser is bound to inform of cases of non-compliance within a maximum period of 30 days after becoming aware of them by registered letter, which will be sent to: LIFTMAX. No claim will be receivable beyond this deadline. Any repair or maintenance work carried out on this equipment without our agreement will result in loss of the right to guarantee. Under the guarantee, we will replace free of charge the parts or material/equipment acknowledged by LIFTMAX to be defective and returned to our production plant for expertise.

The repairing or replacement of the parts during the guarantee period can in no way give rise to an extension of the guarantee.

Warranty of our materials and/or equipment can only be ensured under the conditions listed above provided that all amounts due have been received by LIFTMAX.

The warranty starts from the date of commissioning by means of filling and returning the appropriate form to LiftMax. This document is to be returned to our Sales Office within 15 days after commissioning.

No claim relating to the performance of the products can be used by the purchaser to obtain additional warranty or suspension whatsoever of - or deduction in - the payments due. The purchaser admits that he/she is perfectly aware of the performance and capacity of the products.

## ANCILLARIES

	<p><b>Pendant</b> <i>(reference BL RC)</i></p> <p>Pendant with 10 meter-long cable to pilot the lift from the master column in "all" mode.</p>
	<p><b>Plastic cover protection</b> <i>(reference BL PC)</i></p> <p>Set of 4 Plastic cover protections for intensive use in wash bays</p>
	<p><b>Jacking unit</b> <i>(reference BL HD)</i></p> <p>Set of 4 hydraulic pallet jacks "Deadman" type</p>
	<p><b>Van's adaptor</b> <i>(reference BL FRV 01)</i></p> <p>Set of 4 fork reducers for vans - Capacity 4,8 tonnes - Fit to wheel diameter 600 to 930 mm</p>
	<p><b>Car's adaptor</b> <i>(reference BL FRC 01)</i></p> <p>Set of 4 fork reducers for cars - Capacity 2 tonnes - Fit to wheel diameter 500 to 730 mm</p>
	<p><b>Trailer beam</b> <i>(reference BL LB 02)</i></p> <p>Lifting beam for trailer maximum capacity: 3 x 5 tonnes</p>

	<p><b>Lifting beam</b> (<i>reference BL LB 01</i>)</p> <p>Lifting beam for bus &amp; coach maximum capacity: 2 x 6 tonnes</p>
	<p><b>Transmission jack</b> (<i>reference BL TJ 15</i>)</p> <p>1,5 tonnes transmission jack with a multi-position swivel head</p> <p>Capacity : 1,5 tonnes Minimum height : 1000 mm Maximum height 2020 mm 2 speeds 4 wheels Ø 200 mm Net weight : 175 kg Dimensions (LxI) 850 x 480 mm</p>
	<p><b>14 t small axle stand</b></p> <p>(<i>reference BL 140</i>) Mini - maxi: 300 – 445 mm / 5 positions</p> <p>(<i>reference BL 141</i>) Mini - maxi: 450 – 730 mm / 8 positions</p> <p>(<i>reference BL 142</i>) Mini - maxi: 685 – 1125 mm / 12 positions</p>
	<p><b>tall axle stand</b></p> <p>(<i>reference BL 060</i>) 6 t / Mini-maxi: 1130 – 1840 mm / 10 positions</p> <p>(<i>reference BL 100</i>) 10 t / Mini - maxi: 1380 – 2100 mm / 10 positions</p> <p>(<i>reference BL 150</i>) 15 t / Mini - maxi: 1385 – 2025 mm / 10 positions Spring loaded / with screw at the top</p>

## CONTACT US

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